

Title (en)

Fibre-based support containing a layer of a functionalized water-soluble polymer, method of production and use thereof

Title (de)

Faserbasierter Träger mit einer Schicht aus funktionalisiertem wasserlöslichem Polymer, sowie Herstellung und Verwendung dafür

Title (fr)

Support à base de fibres contenant une couche de polymère hydrosoluble fonctionnalisé, procédé de production et utilisation associée

Publication

**EP 2551406 B1 20141029 (EN)**

Application

**EP 11175889 A 20110729**

Priority

EP 11175889 A 20110729

Abstract (en)

[origin: EP2551406A1] A cellulose and/or synthetic fibre-based support of which at least one surface is coated with a layer containing at least one water-soluble polymer comprising hydroxyl or primary-secondary amino functional groups, at least some of which have been functionalized beforehand with at least one organic compound comprising at least one epoxy functional group, and at least one R 1 group wherein R 1 is a vinyl functional group or at least one Si(R 2 ) 3 functional group and wherein R 2 = hydrogen atom, hydroxyl, alkoxy, alkyl, and combinations thereof.

IPC 8 full level

**D21H 19/10** (2006.01); **D21H 27/00** (2006.01); **D21H 27/06** (2006.01)

CPC (source: EP KR US)

**B32B 27/10** (2013.01 - KR); **C08F 8/02** (2013.01 - US); **C08G 73/0206** (2013.01 - US); **C08G 73/0213** (2013.01 - US); **D21H 1/00** (2013.01 - KR); **D21H 19/10** (2013.01 - EP KR US); **D21H 19/12** (2013.01 - US); **D21H 27/001** (2013.01 - EP US); **D21H 27/002** (2013.01 - EP US); **D21H 27/06** (2013.01 - EP US)

Cited by

CN106471079A; US10113006B2; US10731298B2; WO2015197906A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2551406 A1 20130130; EP 2551406 B1 20141029**; AR 087332 A1 20140319; BR 112014002155 A2 20170221; CL 2014000101 A1 20140829; CN 103890267 A 20140625; CN 103890267 B 20171222; CO 6870047 A2 20140220; ES 2526293 T3 20150109; IL 230140 B 20180228; KR 101956737 B1 20190312; KR 20140066978 A 20140603; PL 2551406 T3 20150331; TW 201309866 A 20130301; TW I532896 B 20160511; US 10533286 B2 20200114; US 2014262092 A1 20140918; US 2017284027 A1 20171005; US 9803321 B2 20171031; WO 2013017731 A1 20130207; ZA 201400082 B 20150527

DOCDB simple family (application)

**EP 11175889 A 20110729**; AR P120102712 A 20120726; BR 112014002155 A 20120720; CL 2014000101 A 20140114; CN 201280037771 A 20120720; CO 14024360 A 20140206; ES 11175889 T 20110729; FI 2012050744 W 20120720; IL 23014013 A 20131224; KR 20137035149 A 20120720; PL 11175889 T 20110729; TW 101126939 A 20120726; US 201214235939 A 20120720; US 201715627121 A 20170619; ZA 201400082 A 20140106